VME Intensity Monitor - Feature #12403

Create Virtual or Pseudo Devices

04/26/2016 02:33 PM - Roger Tokarek

Status:	Closed	**Start date:**	04/26/2016
Priority:	Low	**Due date:**	
Assignee:	Elliott McCrory	**% Done:**	100%
Category:	Hygiene	**Estimated time:**	40.00 hours
Target version:		**Spent time:**	0.10 hour

Description

There may be times when a pseudo or virtual, non-ADC, device reporting to Acnet is useful. Create a suite of virtual devices.

History

#1 - 04/26/2016 03:08 PM - Roger Tokarek

Created three pseudo device classes, **PseudoDeviceStatic**, **PseudoDeviceRamp**, and **PseudoDeviceSine** which inherit from base class **PseudoDevice**. Data throughput is managed by **PsuedoDeviceMgr**. Acnet is managed by **PseudoDeviceAccessor**.

For a detailed explanation of these devices see Pseudo Devices.

SSDN Device IDs:

Each pseudo device Acnet accessor has its own SSDN device ID.

Static	0x00F0
Ramp	0x00F1
Sine	0x00F2

Status

1. Classes and Acnet devices created.

Next Steps

1. Complete Doxygen and Redmine documentation.
2. Complete command line accessors.
3. Git merge.

Command line accessors to write:

Static	get/set data
Ramp	get/set slope
	get/set y_intercept
	get/set y max
Sine	get/set frequency
	get/set phase

#2 - 08/03/2016 01:04 PM - Roger Tokarek

- Status changed from New to Work in progress

#3 - 08/03/2016 01:08 PM - Roger Tokarek

- Category set to Hygiene

Remaining work is largely in support of documentation and deciding is any more control parameters may be desired. For example the Acnet device for that reads the slope device can also set the slope. Do we need a command that sets the y-intercept?

#4 - 10/13/2016 02:27 PM - Elliott McCrory

- Assignee changed from Roger Tokarek to Elliott McCrory

#5 - 05/15/2018 11:13 AM - Elliott McCrory

- Status changed from Work in progress to Closed

- % Done changed from 70 to 100

The Use Case for this feature has disappeared. Closing this task.